

WING SAFETY

1. Mission Statement. The Wing Safety function identifies and reduces risk to help the wing commander protect resources and improve combat capability while accomplishing the mission.
2. Responsibility Statement. Safety, within the wing staff, is responsible for the following activities:
 - a. Chief of Safety. Responsible for the day-to-day execution of the wing commander's mishap prevention program. Manages the resources to achieve the desired results.
 - b. Flight Safety. Advises commanders and supervisors on risk assessment to ensure compliance with Air Force standards. Provides required safety training and flying consultation services to all base personnel. Investigates flight mishaps and makes recommendations to prevent recurrence.
 - c. Ground Safety. Advises commanders and supervisors on risk assessment to ensure compliance with safety standards. Incorporates safety into all Air Force operations. Provides required safety training, consultation, and mishap investigation to all base personnel. Manages the base hazard abatement program.
 - d. Weapons Safety. Provides critical resource preservation guidance to commanders on all explosive, missile, and nuclear weapon-related matters. Uses technical expertise to write, review, or evaluate explosives site plans, wartime operation plans, operating instructions, and requests for exceptions to explosives safety standards.
3. Authority. This Air Force Manpower Standard (AFMS) was developed by a process action team established by HQ USAF/SE and comprised of members from HQ USAF/SEC, the Air Force Safety Agency (AFSA), and the Air Force Special Staff Management Engineering Team (AFSSMET). The 91 Directives series (where applicable) are the primary governing regulations for the establishment and operation of the Safety function. AFR 25-5, Air Force Management Engineering Program (MEP) Policies, Responsibilities, and Requirements, is the governing manpower regulation.
4. Applicability. This is a peacetime only AFMS. It provides the fixed core and core plus or minus manpower to a base supporting an operational flying wing configured in the objective wing organizational structure. It also applies to wing Safety functions within nonoperational commands. It does not apply to Air Force Material Command, Air Force Reserve, and Air National Guard bases. It does not apply to bases which have undergone Office of Management and Budget (OMB) Circular A-76 cost comparison studies.

Supersedes AFMS 106XA, 19 Feb 80, AFMS 1060, 30 Jun 89, AFMS 1060A, 30 Jun 89, AFMS 1060B, 19 Feb 80, AFMS 1061, 25 Nov 87, AFMS 1061A, 15 Feb 80, AFMS 1061B, 4 Jan 88, AFMS 1062, 30 Jun 89, AFMS 1062A, 22 Feb 80.

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5. Core Composition. This AFMS quantifies the fixed core manpower necessary for a Safety function to support the model wing defined as a population of 3,000 personnel and one of the following: A fighter wing comprised of 72 primary aircraft authorized (PAA), an airlift wing comprised of 48 PAA, or a strategic wing comprised of 38 PAA (19 bombers and 19 tankers). The manpower required for the core is: 8.39 for a bomber and tanker wing; 8.55 for an airlift wing; 8.12 for an AETC wing with an undergraduate pilot training (UPT) program; or 8.49 for a fighter wing and all other wings.

- a. Core Manpower Required. 9.
- b. Core Range. 6-16.
- c. Programming Factors. Authorized Population Supported and Primary Aircraft Authorized (PAA).

6. Standard Data:

- a. Classification. Type III.
- b. Approval Date. July 1993.
- c. Man-Hour Data Source. Workshop Measurement.
- d. Man-Hour Equation. See paragraph 7, application instructions.
- e. Workload Factors:

(1) Title. Authorized Population Supported.

(a) Definition. The total authorized (funded) military and civilian population supported by the Safety office for host and Air Force tenants. This population includes GSUs if supported by the Safety office. This population also includes foreign nationals. When other populations are serviced (e.g. Army, Navy, etc.) then a variance request may be submitted for consideration (instructions in paragraph 7b) if there is a written agreement that requires the host wing Safety Office to provide support.

(b) Source. The BMDS using fourth quarter data for the fiscal year in which the application takes place.

(2) Title. Primary Aircraft Authorized.

(a) Definition. The monthly average number of aircraft authorized.

(b) Source. USAF Programmed Aerospace Vehicles and Flying Hours Document, Vol II, Aircraft and Flying Hours by Command (PA2). This document is classified.

f. Study Team:

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7. Application Instructions. Use the following procedures to determine the manpower a base needs to support a wing, configured in an objective structure, for any population with or without primary aircraft authorized. Attachment 5, Safety Manpower Computation Worksheet, is provided for your use.

- a. Step 1. Obtain workload factor values.
 - b. Step 2. Use the Safety Manpower Computation Worksheet at Attachment 5 to compute core, core plus or core minus, and variance man-hour requirements. Attachment 3 contains approved variances. MAJCOMs may submit new variances; however, each must exceed 16 man-hours per month and be sent to AFMEA on AF Form 1068, Work Center Analysis Record. AFMEA will recommend approval or disapproval on proposed variances to HQ USAF/SEC who will provide the submitting MAJCOM a decision.
 - c. Step 3. Divide the results from Step 2 by the appropriate man-hour availability factor (MAF) and round using current rounding rules.
 - d. Step 4. Refer to the standard manpower table at Attachment 2 to obtain grades and AFSCs.
 - e. Step 5. Any AFSC listed on the Manpower Table may be substituted with an Information Management position, AFSC 3A051.
8. Statement of Conditions. This standard assumes that core Safety functions are centralized in the host wing. The requirements provided by this AFMS include indirect man-hours equating to about 10 percent of total man-hours.

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1. Work Center Description
2. Standard Manpower Table
3. Approved Variances
4. Process Analysis Summary
5. Safety Man-hour Computation Worksheet
6. Variance Applicability Matrix

WORK CENTER DESCRIPTION

SAFETY

1. PROVIDES TECHNICAL SAFETY ADVICE. Provides oral and written response, performs staff assistance visit, and evaluates request for safety equipment.
2. COMPLETES OPERATIONAL FLYING REQUIREMENT. Accomplishes flight planning, completes pre-mission briefing, performs pre-flight action, accomplishes sortie, performs post-flight action, accomplishes mission debriefing and logging, attends instrument refresher training. Accomplishes instrument flight evaluation, proficiency flight evaluation, proficiency written examination, physiological training, life support training, emergency procedures training, no-notice instrument evaluation, required simulator sortie, intelligence training, and ground training.
3. MONITORS FLIGHT, GROUND, AND WEAPONS OPERATIONS TO EVALUATE COMPLIANCE WITH SAFETY STANDARDS.
4. INSPECTS WORKPLACE, FACILITY, AND OPERATION AND EVALUATES SUBORDINATE UNIT COMMANDER'S SAFETY PROGRAM. Establishes schedule, develops checklist, performs inspection, follows up to ensure completion of corrective action, and performs evaluation of unit program.
5. MANAGES HAZARD ABATEMENT PROGRAM. Publicizes program, receives Notice of Hazard (AF Form 1118), determines severity and abatement action, develops and maintains the Master Hazard Abatement Plan, certifies completion of abatement action, prepares annual Hazard Abatement Survey Report, manages midair collision avoidance (MACA) program, and manages bird hazard abatement program.
6. ENSURES SAFETY CRITERIA IS INCLUDED IN ENGINEERING AND CONSTRUCTION PROJECT. Reviews proposed site for compliance with safety standards, prepares and forwards required forms, participates in design review process, and reviews final plan.
7. MANAGES WING COMMANDER'S SAFETY PROGRAM. Develops and recommends local safety policy and program guidance, provides safety education and training, performs safety analysis, manages Air Force Occupational Safety and Health (AFOSH) council activities, provides operational risk assessment, and processes Explosive Facility License (AF Form 2047).
8. INVESTIGATES AND REPORTS MISHAP. Responds to notification, gathers data on site, analyzes data, determines cause of mishap, recommends corrective action, writes report, and follows up to ensure completion of corrective action.
9. INTEGRATES SAFETY AWARENESS INTO THE WING MISSION. Administers safety awareness program, reviews regulation or publication, attends meeting to provide safety expertise, administers safety award program, and evaluates environmental differential pay (EDP) request.
10. PARTICIPATES IN PLANNING AND EXECUTION OF DISASTER EXERCISE FOR SAFETY EMPHASIS. Attends pre-planning meeting, evaluates exercise plan, advises commander on risk control procedures, critiques exercise, and follows up on noted discrepancies.
11. REVIEWS CONSTRUCTION, SERVICE (SELECTED), AND COMMODITY CONTRACT FOR ADHERENCE TO SAFETY STANDARDS. Receives proposed contract, reviews contract, researches safety requirements, prepares and forwards recommended safety criteria.

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
Wing Safety 106A											
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Chief of Safety	Note 1	LTC			1	1	1	1	1	1	1
Pilot/Navigator (Flt Saf)	Note 1	MAJ			1	1	1	1	1	1	1
Ground Safety Manager	Note 2	MAJ					1	1	1	1	1
Weapons Safety Manager	2W091*	SMS					1	1	1	1	1
Weapons/Munitions Crftmn	2W071**	MSG						1	1	1	1
Weapons/Munitions Crftmn	2W071**	TSG									
Safety Superintendent	1S091*	SMS									
Safety Craftsman	1S071*	MSG									
Safety Craftsman	1S071*	TSG	1	1	1	1	1	1	1	1	1
Safety Journeyman	1S051*	SSG	1	2	1	2	1	1	2	2	2
Tac Acft Maint Crftmn	2A373J***	TSG								1	1
Info Mgmt Journeyman	3A051*	SSG									1
TOTAL			2	3	4	5	6	7	8	9	10
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Chief of Safety	Note 1	LTC	1	1	1	1	1	1			
Pilot/Navigator (Flt Saf)	Note 1	MAJ	1	1	1	1	1	1			
Ground Safety Manager	Note 2	MAJ	1	1	1	1	1	1			
Weapons Safety Manager	2W091*	SMS	1	1	1	1	1	1			
Weapons/Munitions Crftmn	2W071**	MSG	1	1	1	1	1	1			
Weapons/Munitions Crftmn	2W071**	TSG			1	1	1	1			
Safety Superintendent	1S091*	SMS		1	1	1	1	1			
Safety Craftsman	1S071*	MSG	1								
Safety Craftsman	1S071*	TSG	1	2	2	2	3	3			
Safety Journeyman	1S051*	SSG	2	2	2	3	3	4			
Tac Acft Maint Crftmn	2A373J***	TSG	1	1	1	1	1	1			
Info Mgmt Journeyman	3A051*	SSG	1	1	1	1	1	1			
Note 1: Commands will determine AFSC of Chief of Safety and Flight Safety Officer based on wing's mission. For bases with operational flying mission, AFSC should be rated. An "X" prefix should be used. Note 2: A civilian equivalent, AFSCs 38M3/1, 36P3/1, or 36C3/1 with an "X" prefix, or AFSC 1S091 should be used. * May be a civilian equivalent. ** May be AFSC 1S0X1. *** May be AFSC 1S0X1 or A1A171C											
TOTAL			11	12	13	14	15	16			

APPROVED VARIANCES

AF-1. Title. Positive Mission Variance to Prepare, Process, and Review Explosives Safety Exceptions.

a. Definition. This variance allows man-hours to document violations to mandatory explosives safety criteria required by DoD Directive 6055.9.

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Andrews AFB	+19.28	+.12
Aviano AB	+33.75	+.21
Barksdale AFB	+68.00	+.42
Bitburg AB	+40.18	+.25
Cannon AFB	+19.28	+.12
Charleston AFB	+27.32	+.17
Columbus AFB	+16.07	+.10
Davis Monthan AFB	+120.53	+.75
Dover AFB	+22.50	+.14
Goodfellow AFB	+16.07	+.10
Holloman AFB	+80.35	+.50
Hurlburt AFB	+80.35	+.50
Incirlik AB	+62.00	+.34
Keesler AFB	+16.07	+.10
Lackland AFB	+16.07	+.10
Langley AFB	+19.28	+.12
Laughlin AFB	+16.07	+.10
Little Rock AFB	+27.32	+.17
Luke AFB	+42.00	+.26
MacDill AFB	+22.50	+.14
McChord AFB	+45.00	+.28
McGuire AFB	+17.68	+.11
Moody AFB	+24.11	+.15
Mt Home AFB	+99.63	+.62
Nellis AFB	+199.27	+1.24
Peterson AFB	+19.00	+.12
Pope AFB	+30.00	+.19
RAF Alconbury	+21.80	+.14
RAF Lakenheath	+192.84	+1.20
Ramstein AB	+16.00	+.10
Randolph AFB	+16.07	+.10
Reese AFB	+16.07	+.10
Seymour Johnson AFB	+120.53	+.75
Shaw AFB	+24.11	+.15
Sheppard AFB	+16.07	+.10
Spangdahlem AB	+190.83	+1.19
Travis AFB	+24.11	+.15
Vance AFB	+16.07	+.10
Vandenberg AFB	+69.00	+.37

c. Applicability. This variance applies to the bases listed above.

AF-2. Title. Positive Mission Variance to Coordinate Explosives Safety Site Plans and Exceptions with Non-USAF Officials.

a. Definition. This variance provides man-hours to coordinate on explosives safety site plans and exceptions when the facilities or areas are located in a USAF explosives quantity-distance clear zone by non-USAF organizations (on or off base).

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Andrews AFB	+17.68	+.11
Bitburg AB	+25.20	+.16
Charleston AFB	+20.89	+.13
Davis Monthan AFB	+45.00	+.28
Hurlburt AFB	+22.98	+.14
Incirlik AB	+137.50	+.86
Kirtland AFB	+30.53	+.19
Peterson AFB	+18.00	+.11
Pope AFB	+40.00	+.25
RAF Lakenheath	+86.30	+.54
Sembach AB	+25.00	+.16
Travis AFB	+46.60	+.29
Vandenberg AFB	+46.00	+.29

c. Applicability. This variance applies to the bases listed above.

AF-3. Title. Positive Mission Variance for Local National Support.

a. Definition. This variance is required to translate Safety material, publications, and to coordinate with local country Safety personnel on Safety educational requirements. The translator attends pre-construction meetings to ensure safety procedures are met by local contractors.

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Aviano AB	+22.50	+.14
Bitburg AB	+38.00	+.24
Incirlik AB	+22.50	+.14
Kadena AB	+43.39	+.27
Kunsan AB	+16.07	+.10
Misawa AB	+50.32	+.31
Ramstein AB	+41.78	+.26
Rhein Main AB	+40.00	+.25
Sembach AB	+22.50	+.14
Spangdahlem AB	+22.50	+.14
Osan AB	+40.86	+.25
Yokota AB	+32.14	+.20

c. Applicability. This variance applies to the bases listed above.

AF-4. Title. Positive Mission Variance for Deployment Exercise Participation.

a. Definition. This variance allows for Safety personnel to participate in deployment exercises (actual deployment to deployment site).

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Barksdale AFB	+46.87	+.29
Cannon AFB	+56.00	+.35
Charleston AFB	+45.00	+.28
Davis Monthan AFB	+199.27	+1.24
Ellsworth AFB	+30.00	+.19
Fairchild AFB	+32.00	+.20
Hurlburt AFB	+80.35	+.50
Incirlik AB	+32.67	+.20
Kadena AB	+71.77	+.45
Langley AFB	+133.38	+.83
Little Rock AFB	+45.00	+.28
Luke AFB	+50.77	+.32
McChord AFB	+45.00	+.28
Moody AFB	+57.85	+.36
Mt Home AFB	+216.95	+1.35
Nellis AFB	+249.09	+1.55
Plattsburg AFB	+40.00	+.25
Seymour Johnson AFB	+199.27	+1.24
Shaw AFB	+114.10	+.71

c. Applicability. This variance applies to the bases listed above.

AF-5. Title. Positive Mission Variance for Course I, Standard Traffic Safety Course.

a. Definition. This variance allows man-hours to teach Course I to all military during basic military training or during technical training as required by AFR 127-7, USAF Traffic Safety Program.

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Lackland AFB	+105.00	+.65
Keesler AFB	+105.00	+.65
Sheppard AFB	+105.00	+.65
Vandenberg AFB	+17.50	+.11

c. Applicability. This variance applies to the bases listed above.

AF-6. Title. Positive Mission Variance for Range Support.

a. Definition. This variance is for workload not included in the core. This variance gives Safety offices credit to provide inspection and mishap investigation support to the range.

- b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Cannon AFB	+17.00	+.11
Holloman AFB	+160.70	+1.00
Incirlik AB	+160.70	+1.00
Osan AB	160.70	+1.00

- c. Applicability. This variance applies to the bases listed above.

AF-7. Title. Positive Environmental Variance for Geographically Separated Units (GSUs) Travel.

- a. Definition. This variance allows for travel to GSUs to provide required support. The GSU must fall under the host Safety office for support.

- b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Aviano AB	+17.68	+.11
Ellsworth AFB	+85.17	+.53
Fairchild AFB	+25.00	+.16
F. E. Warren AFB	+85.17	+.53
Incirlik AB	+105.62	+.66
Luke AFB	+26.68	+.17
Malmstrom AFB	+85.17	+.53
Maxwell AFB	+28.93	+.18
Mt Home AFB	+49.82	+.31
Nellis AFB	+109.28	+.68
Patrick AFB	+729.00	+4.54
Peterson AFB	+160.70	+1.00
Sembach AB	+41.46	+.26
Shaw AFB	+22.50	+.14
Whiteman AFB	+85.17	+.53

- c. Applicability. This variance applies to the bases listed above.

AF-8. Title. Negative Mission Variance for No Aircraft Assigned to the Wing.

- a. Definition. This variance removes from the core workload that is associated with assigned aircraft when no aircraft are assigned to the wing.

- b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Andersen AFB	-803.50	-5.00
Bolling AFB	-803.50	-5.00
F. E. Warren AFB	-803.50	-5.00
Goodfellow AFB	-803.50	-5.00

Lackland AFB	-803.50	-5.00
Lajes AFB	-803.50	-5.00
MacDill AFB	-803.50	-5.00
Vandenberg AFB	-803.50	-5.00

c. Applicability. This variance applies to the bases listed above.

AF-9. Title. Positive Mission Variance for Helicopter Flight Safety Officer (FSO) Positions.

a. Definition. The FSO at a helicopter unit is the commander's Safety program manager, weapons system expert for non-fixed wing parent organizations, and a trained investigations officer for potential use in investigating mishaps.

b. Impact. This variance equates to +160.7 man-hours per month or +1 manpower requirement.

c. Grade and Skills. The following are the grade and skills break-out for Helicopter Safety:

AIR FORCE SPECIALITY TITLE	AFSC	GRADE	MANPOWER
Helicopter Pilot	11H3/2/1	CPT	1

d. Applicability. This variance applies to Andrews AFB, F. E. Warren AFB, Holloman AFB, Hurlburt AFB, Kadena AB, Kirtland AFB, Langley AFB, Misawa AB, Nellis AFB, Osan AB, Patrick AFB, and Vandenberg AFB.

AF-10. Title. Negative Mission Variance for Support Required for Minimum Aircraft.

a. Definition. This variance removes from the core part of the workload associated with assigned aircraft. This variance leaves in the core only that workload that is required to support a minimum number of aircraft assigned to the wing.

b. Impact. This variance equates to -602.60 man-hours per month or -3.75 manpower requirements for Maxwell AFB and Peterson AFB, and -451.97 man-hours per month or -2.81 manpower requirements for Patrick AFB.

c. Applicability. This variance applies to Maxwell AFB, Peterson AFB, and Patrick AFB.

AF-11. Title. Positive Mission Variance for Training Student Population.

a. Definition. This variance allows credit to support the student population at AETC bases, United States Air Force Academy (USAFA), and Cannon AFB.

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Cannon AFB	+20.00	+.12
Goodfellow AFB	+24.11	+.15
Keesler AFB	+61.07	+.38
Lackland AFB	+96.42	+.60
Sheppard AFB	+64.28	+.40
USAFA	+90.76	+.56

c. Applicability. This variance applies to the bases listed above.

AF-12. Title. Positive Mission Variance for Missile Safety.

a. Definition. Safety for the missile launch facilities includes the requirement to evaluate both the maintenance facilities and maintenance teams in accordance with AFR 122, 123, and 127 series regulations. Extensive off-base travel to the launch facilities is required as well as travel to on-base maintenance facilities.

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
F. E. Warren AFB	+803.50	+5.00
Grand Forks AFB	+482.10	+3.00
Malmstrom AFB	+482.10	+3.00
Patrick AFB	+857.23	+5.33
Vandenberg AFB	+605.90	+3.77

c. Applicability. This variance applies to the bases listed above.

AF-13. Title. Positive Mission Variance for Direct Support of Contractor Personnel.

a. Definition. Safety is required to provide the safety support for the contractor personnel due to the large number of A-76 cost studies that have resulted in operation of functions by contract.

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Columbus AFB	+66.41	+.41
Keesler AFB	+56.08	+.35
Lackland AFB	+71.53	+.45
Laughlin AFB	+25.43	+.16
Randolph AFB	+16.75	+.10
Reese AFB	+80.13	+.50
Sheppard AFB	+17.97	+.11
Vance AFB	+20.23	+.13
Vandenberg AFB	+23.70	+.15

c. Applicability. This variance applies to the bases listed above.

AF-14. Title. Positive Mission Variance for Direct Support of Other Service Populations.

a. Definition. Air Education and Training Command and Air Force Space Command bases have a large number of personnel from other services working on the bases. Safety provides the safety support for the other service personnel.

b. Impact. This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Goodfellow AFB	+54.17	+.34
Keesler AFB	+138.20	+.86
Lackland AFB	+122.58	+.76
Laughlin AFB	+47.14	+.29
Peterson AFB	+49.05	+.31
Randolph AFB	+45.58	+.28
Sheppard AFB	+21.36	+.13
Vance AFB	+16.23	+.10

c. Applicability. This variance applies to the bases listed above.

AF-15. Title. Positive Mission Variance for Multiple (three or more types) Mission Design and Series (MDS) Aircraft of more than 11 Primary Aircraft Authorized (PAA) Each.

a. Definition. This variance applies to composite wings with 3 or more types of aircraft (more than 11 PAA each) assigned to the wing.

b. Impact. This variance equates to +160.7 man-hours per month or +1 manpower authorization for each mission and design series with more than 11 PAA which is required to be rated. HQ USAF/SE will determine the number of Flight Safety officers on a case-by-case basis.

c. Grade and Skills. The following are the grade and skills break-out for this variance:

AIR FORCE SPECIALITY TITLE	AFSC	GRADE	MANPOWER
Pilot/Navigator	*	CPT	1

* MAJCOMS to determine AFSC

This variance equates to the following man-hour and manpower requirements:

	Man-Hours per Month	Manpower
Altus AFB	321.40	+2.00
Columbus AFB	321.40	+2.00
Davis Monthan AFB	160.70	+1.00
Hurlburt AFB	160.70	+1.00
Laughlin AFB	321.40	+2.00
Luke AFB	160.70	+1.00
Mountain Home AFB	160.70	+1.00
Nellis AFB	160.70	+1.00
Pope AFB	160.70	+1.00
Ramstein AB	160.70	+1.00
Randolph AFB	321.40	+2.00
Reese AFB	321.40	+2.00
Seymour Johnson AFB	160.70	+1.00
Spangdahlem AB	160.70	+1.00
Vance AFB	321.40	+2.00

d. Applicability. This variance applies to the bases listed above.

AF-16. Title. Positive Mission Variance for Advisory and Mobility Visits to Air National Guard (ANG) Units.

a. Definition. AFR 45-1, para 13a 4-7 requires the Flight, Ground, and Weapons Safety functions to provide advisory visits to ANG units at geographically separated locations.

b. Impact. This variance equates to +156.61 man-hours per month or +.97 manpower requirements at Little Rock AFB and +108.75 man-hours per month or +.68 manpower requirements at Davis-Monthan AFB.

c. Applicability. This variance applies to Little Rock AFB and Davis-Monthan AFB.

AET-1. Title. Positive Mission Variance for Tenant Wings.

a. Definition. This variance allows man-hours for tenant wings which may require a dedicated safety staff to execute their missions. This can include deployments, contingency planning and support, or providing weapons systems expertise. Depending on the mission, the tenant may require positions in the following Safety disciplines: Flight Safety, Weapons Safety and Ground Safety. This variance is meant for a tenant unit whose mission is vastly different than the host's. The tenant unit cannot rely on the host unit to provide advice, supervision, oversight, etc. A tenant unit must define and justify their processes, provide detailed man-hour data for these processes, and explain why the host cannot accomplish the processes for the tenant. Work identified cannot duplicate any responsibilities of the host wing.

b. Impact. This variance allows two additional Flight Safety Officer requirements (one to be dual-hatted as an additional duty Chief of Safety) and one additional Flight Maintenance NCO for the 80th FTW at Sheppard AFB and the 542nd CTW at Kirtland AFB.

c. Applicability. This variance applies to Sheppard AFB and Kirtland AFB.

CMB-1. Title. Positive Mission Variance for Support of TDY Units.

a. Definition. This variance provides man-hours to support TDY units that participate in the Weapons System Evaluation Program, (e.g. Copper Flag exercise, the William Tell competition, and the Snowbird exercise).

b. Impact. This variance equates to +160.7 man-hours per month or +1 manpower requirement for Tyndall AFB, +120.00 man-hours per month or +.75 manpower requirements for Barksdale AFB, and +30.00 man-hours per month or +.19 manpower requirements for Davis Monthan AFB.

c. Applicability. This variance applies to Barksdale AFB, Tyndall AFB, and Davis Monthan AFB.

CMB-2. Title. Positive Mission Variance for Weapons Safety.

a. Definition. Additional weapons manpower authorizations are required to oversee the delivery and transport of 80 percent of Air Combat Command's (20 percent of the total Air Force) live ordinance expenditure. This function also supports many technical requirements of the Operational Test and Evaluation and Development Test and Evaluation and other special weapons testing. An officer position must be retained to assume surety requirements and coordinating special weapons functions with the 3096 AVDS and other tenants.

b. Impact. The Nellis AFB manpower office validated 290.52 man-hours per month for this variance. The request for officer requirements is no longer relative. Accordingly, a senior NCO will be authorized for this requirement.

c. Grade and Skills. The following are the grade and skills break-out for Nellis AFB Weapons Safety:

AIR FORCE SPECIALITY TITLE	AFSC	GRADE	MANPOWER
Munitions Systems Craftsman	2W071	MSG	1
Aircraft Armament Sys Crftmn	2W171	MSG	1

d. Applicability. This variance applies to Nellis AFB.

CMB-3. Title. Positive Mission Variance for Range Safety.

a. Definition. Nellis AFB covers 3.5 million acres and 22 separate ranges. The 57th Test Group accomplishes one-of-a-kind testing which results in increased research by Safety for potential risks. The Safety office at Ellsworth AFB supports the 28th Bomber Wing and USAF Warfare Training Center assigned to Ellsworth AFB. Additionally, the 99th Wing provides the weapons and tactics training to all air crews TDY to Ellsworth AFB.

b. Impact. This variance equates to +901.97 man-hours per month or +5.61 manpower requirements for Nellis AFB and +367.86 man-hours per month or +2.29 manpower requirements for Ellsworth AFB.

c. Applicability. This variance applies to Nellis AFB and Ellsworth AFB.

CMB-4. Title. Neutral Mission Variance for USAF Weapons Training Center (WTC) Ground Safety.

a. Definition. This variance provides a grade change to the basic AFMS manpower table for the USAF WTC due to the complexity and size of their operation.

b. Impact. This variance equates to a change in grade from a Safety Superintendent (AFSC 1S091) SMSgt to a Safety Manager (AFSC 1S000) CMSgt.

c. Applicability. This variance applies to Nellis AFB.

MOB-1. Title. Positive Mission Variance for Support for Joint Task Force Bravo.

a. Definition. Air Mobility Command (AMC) is required to provide safety support for JCS tasking by deploying for Joint Task Force Bravo exercises.

b. Impact. This variance equates to +27.32 man-hours per month or +.17 manpower requirements.

c. Applicability. This variance applies to Dover AFB, Little Rock AFB, McChord AFB, and McGuire AFB.

PAF-1. Title. Positive Mission Variance for Munitions Storage Activities.

a. Definition. Workload required by a USAF/Republic of Korea Air Force (ROKAF) memorandum of understanding. Safety provides monitoring, inspections, and technical advice.

b. Impact. This variance equates to +119.17 man-hours per month or +.74 manpower requirements.

c. Applicability. This variance applies to Osan AB.

SPC-1. Title. Positive Mission Variance for Traffic Safety Education (Motorcycle).

a. Definition. Peterson AFB is required to provide traffic safety support for motorcycles to the Air Force Academy and Falcon AFB.

b. Impact. The Peterson AFB manpower office reported 26.00 validated man-hours per month.

- c. Applicability. This variance applies to Peterson AFB.

SPC-2. Positive Mission Variance for Technical Safety Advice.

- a. Definition. This variance is for workload above the core requirements. Specifically, abatement actions caused by the environmental controls of Santa Barbara County, California, and the number of digging permit requirements because of the high amount of unexploded ordnance on Vandenberg AFB's former Army artillery range.

- b. Impact. This variance equates to +26.50 man-hours per month or +.17 manpower requirements.

- c. Applicability. This variance applies to Vandenberg AFB.

SOC-1. Positive Mission Variance to Support the Special Mission Operational Test and Evaluation Center (SMOTEC)

- a. Definition. This variance allows for Safety support for the weapons system assets testing accomplished by the 1st SOW Safety office.

- b. Impact. This variance equates to +16.67 man-hours per month or +.10 manpower requirements.

- c. Applicability. This variance applies to Hurlburt AFB.

PROCESS ANALYSIS SUMMARY

PRIORITY	PROCESS TITLE	CORE MAN-HOURS	FRACTIONAL MANPOWER
1	Provides Technical Safety Advice	112.21	.70
2	Completes Operational Flying Requirement	94.18	.59
3	Monitors Flight, Ground, and Weapons Operations to Evaluate Compliance with Safety Standard	128.15	.80
4	Inspects Workplace, Facility, and Operation and Evaluates Subordinate Unit Commander's Safety Program	312.16	1.94
5	Manages Hazard Abatement Program	90.42	.56
6	Ensures Safety Criteria is Included in Engineering and Construction Project	56.42	.35
7	Manages Wing Commander's Safety Program	198.84	1.24
8	Investigates and Reports Mishap	166.64	1.04
9	Integrates Safety Awareness into the Wing Mission	141.87	.88
10	Participates in Planning and Execution of Disaster Exercise for Safety Emphasis	37.36	.23
11	Reviews Construction, Service (Selected), and Commodity Contract for Adherence to Safety Standards	25.93	.16
TOTAL FRACTIONAL MANPOWER			8.49

SAFETY MAN-HOUR COMPUTATION WORKSHEET

Man-Hours

Step 1. Collect workload factor data using the definition and source of count in paragraph 6e(1) and 6e(2).

Step 2. Allocate one of the following core requirements according to the type of wing under-going application: _____

Fighter wing = 1364.34

Bomber and Tanker wing = 1348.27

Airlift wing = 1373.99

UPT wing = 1304.88

Other wings = 1364.34

Step 3. Allocate core plus or minus man-hours:

a. Subtract 3000 from the population, then multiply by .08681. (_____ - 3000) x .08681 _____

Note: If population is less than 3000, the result will be negative.

b. Enter 160.7 man-hours for each applicable situation listed below. If none are applicable enter 0:

Fighter PAA is equal to or greater than 120

Bomber and Tanker PAA is equal to or greater than 76

Airlift PAA is equal to or greater than 80

Population is equal to or greater than 6500 _____

Step 4. Number Title

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

TOTAL VARIANCE MAN-HOURS _____

Step 5. To compute total man-hours, add the results of Steps 2, 3, and 4. _____

Note: Man-hours should be two decimal places.

[illegible]